

J. Gibson Jr,

Stove Leg,

No. 86,147.

Patented Jan. 26, 1869.

Fig. 1.

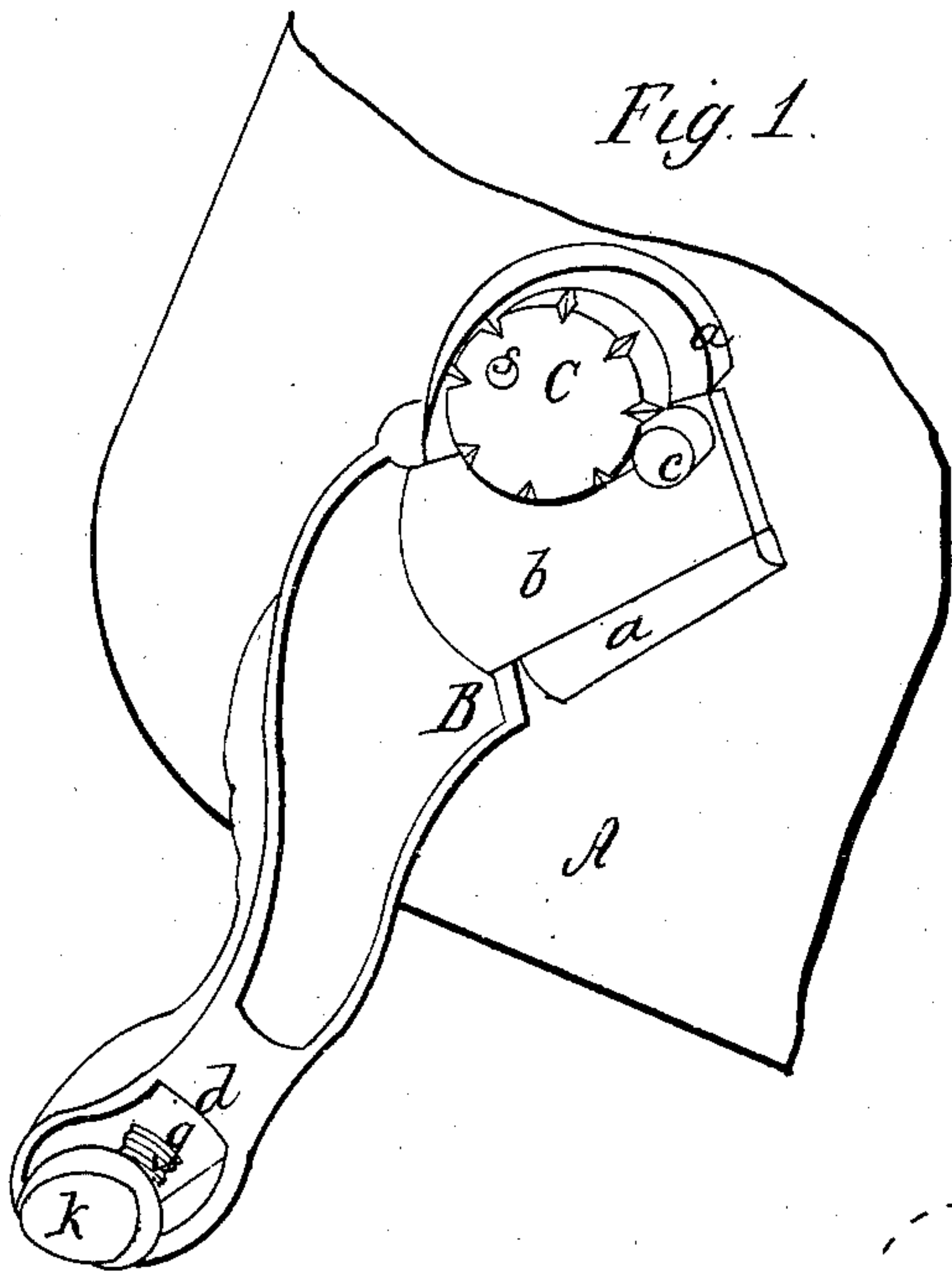


Fig. 2.

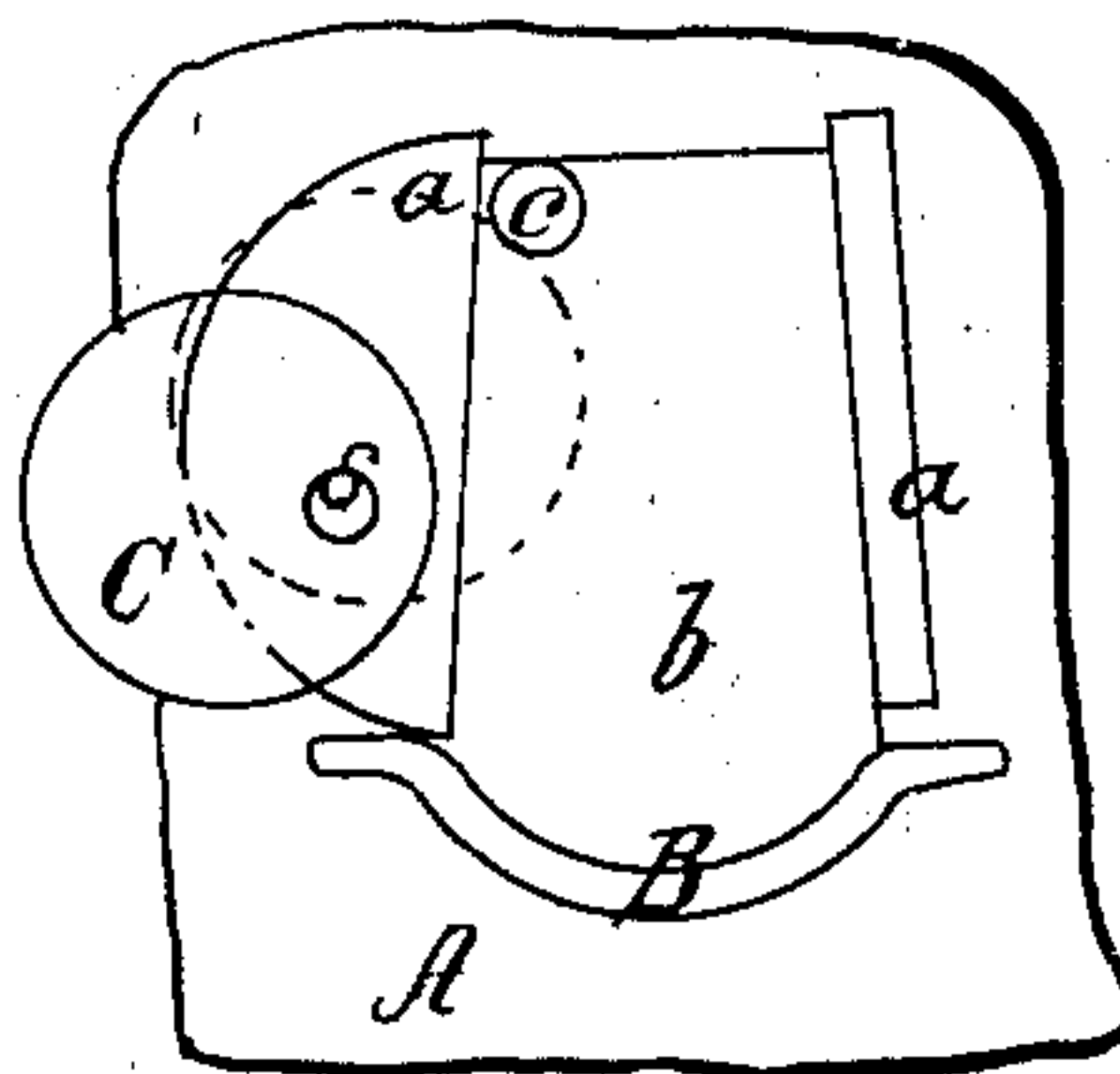


Fig. 3.

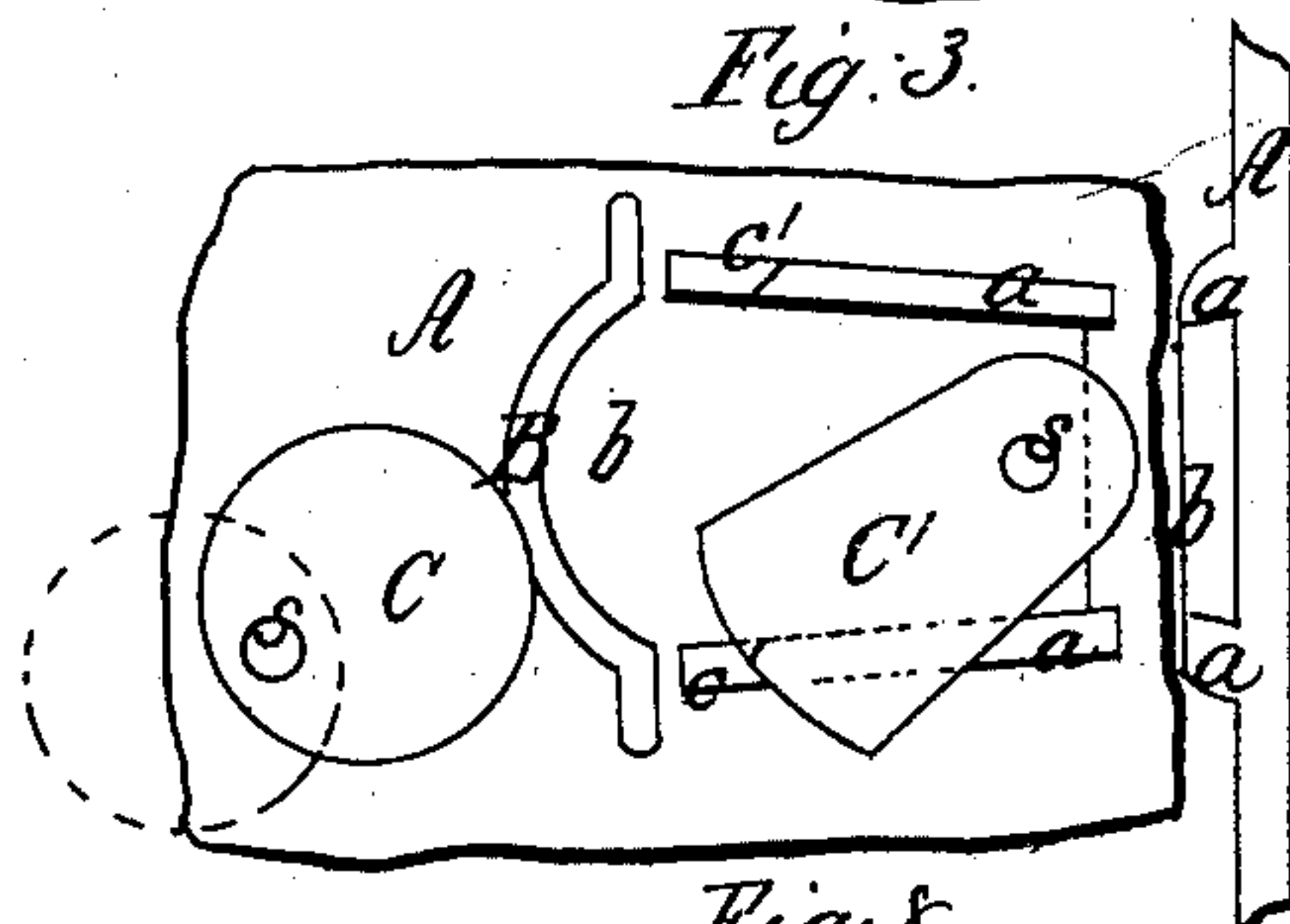


Fig. 4.

Fig. 5.

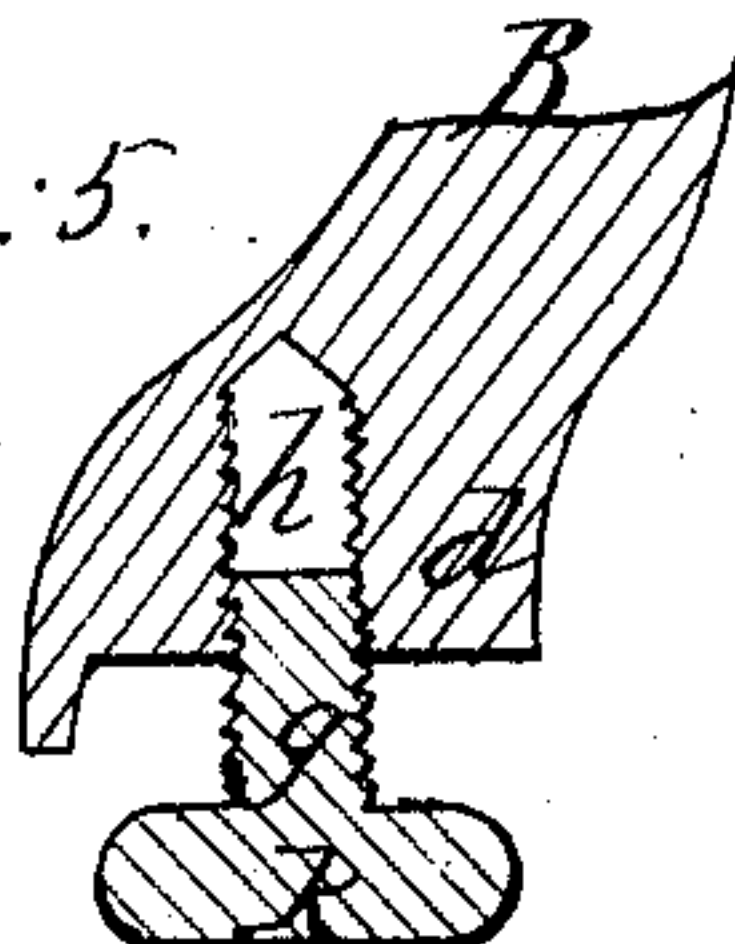


Fig. 7.

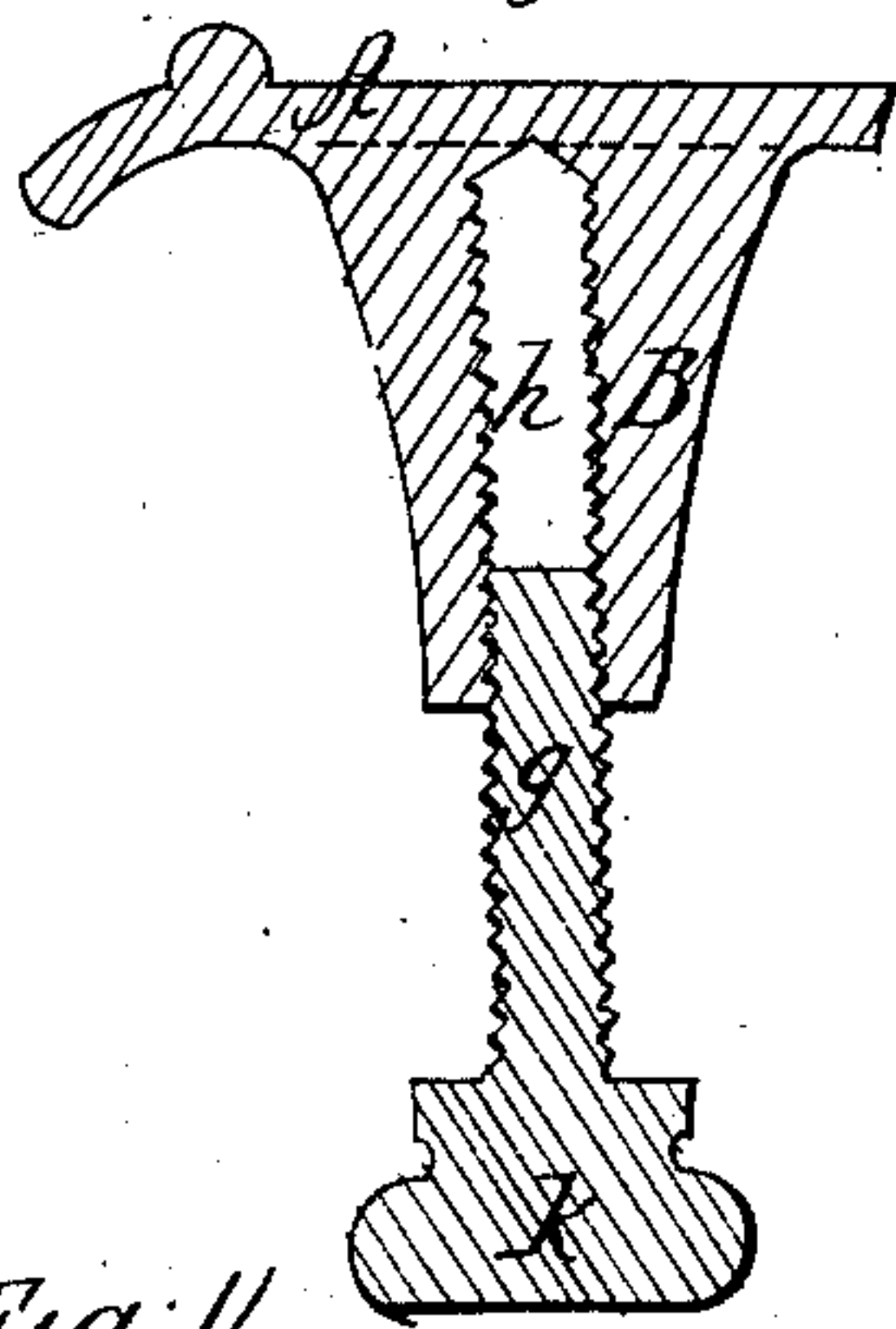


Fig. 8.

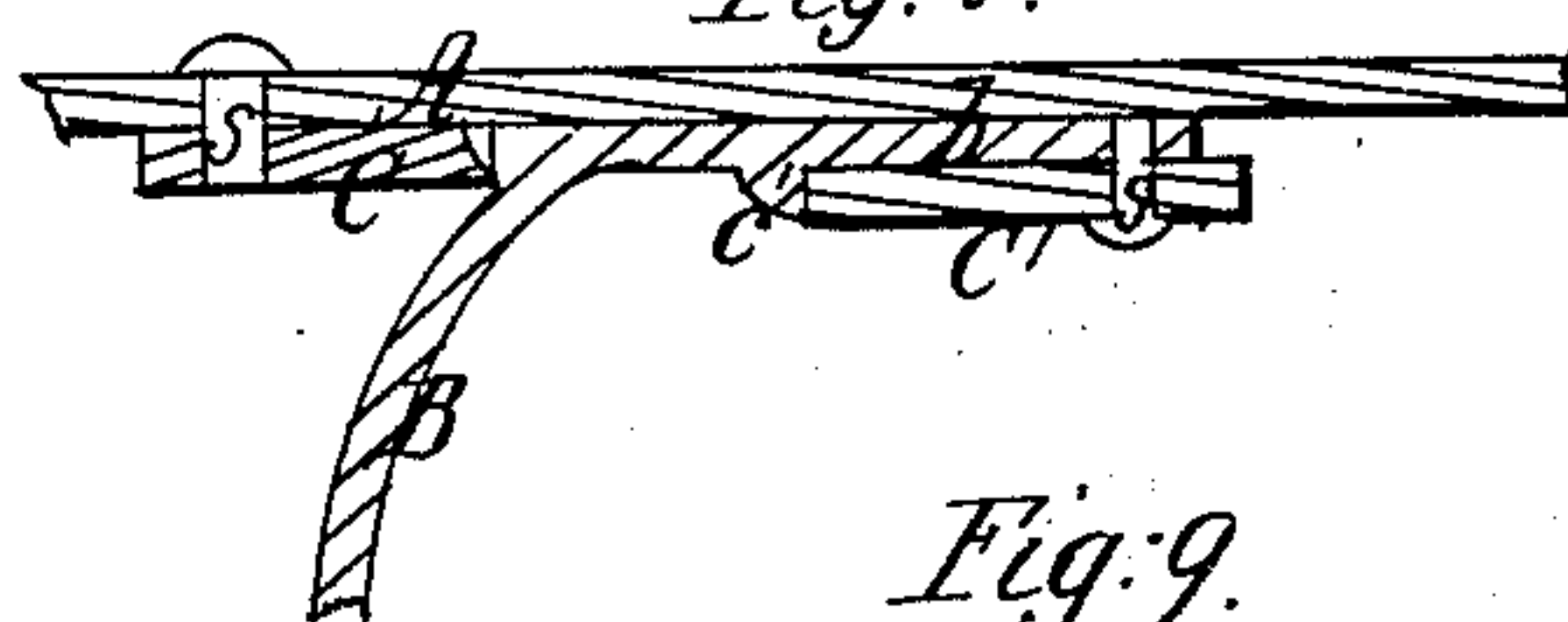


Fig. 9.

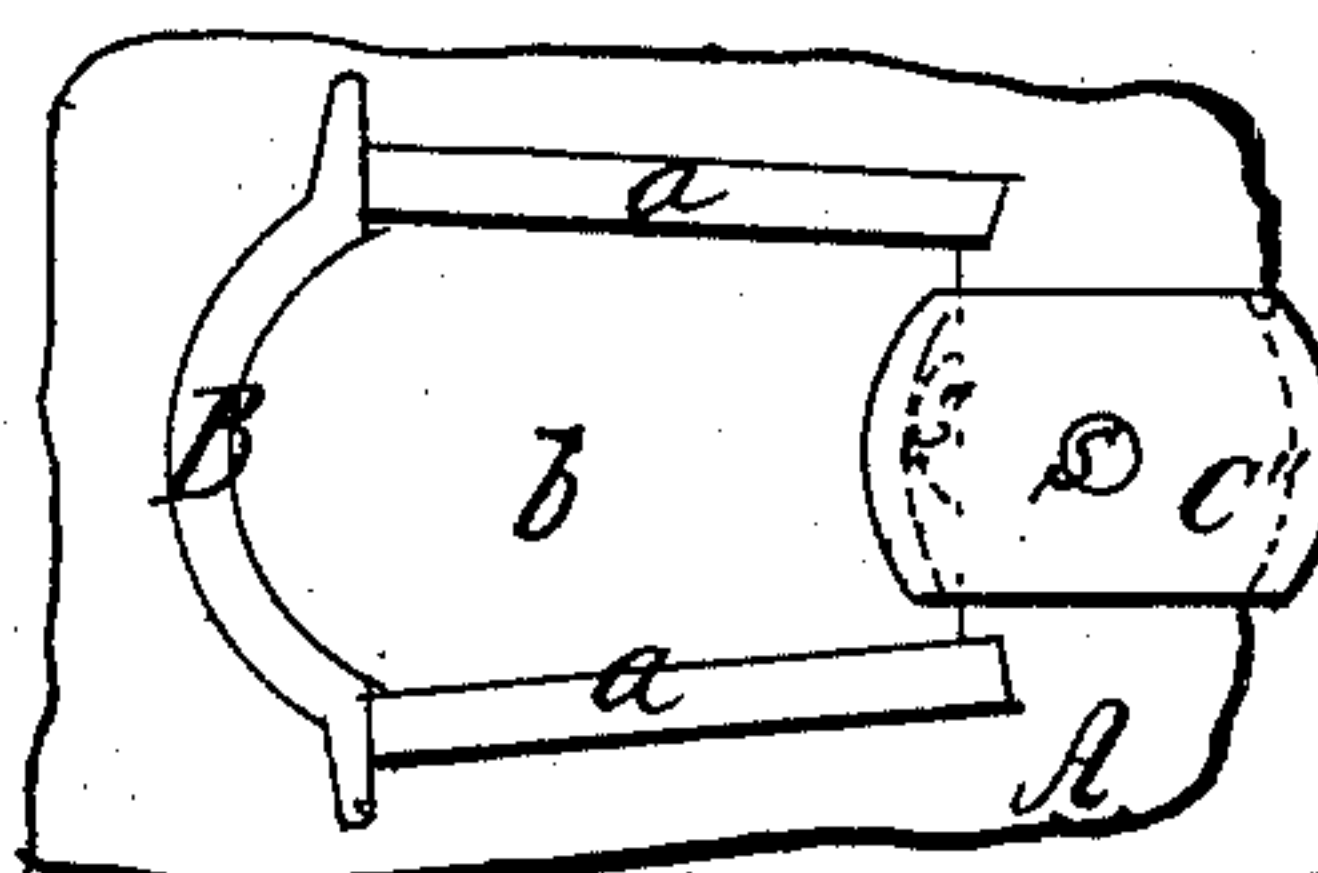


Fig. 10.

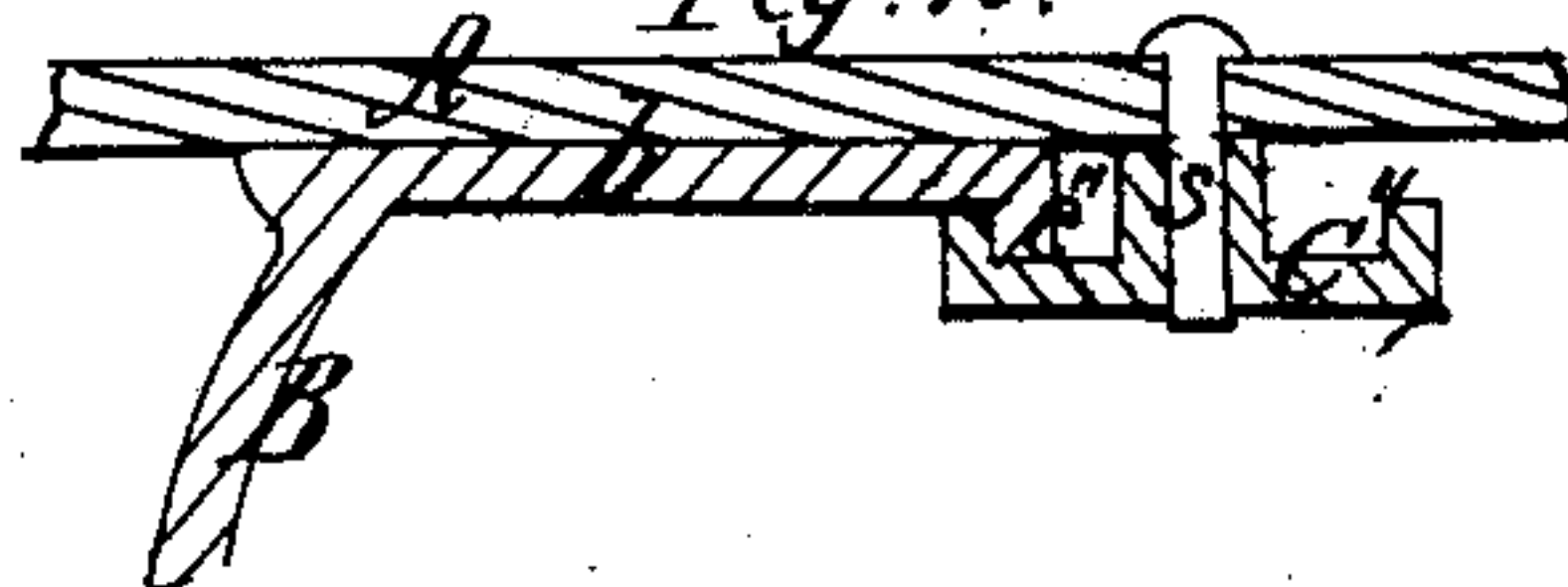


Fig. 11.

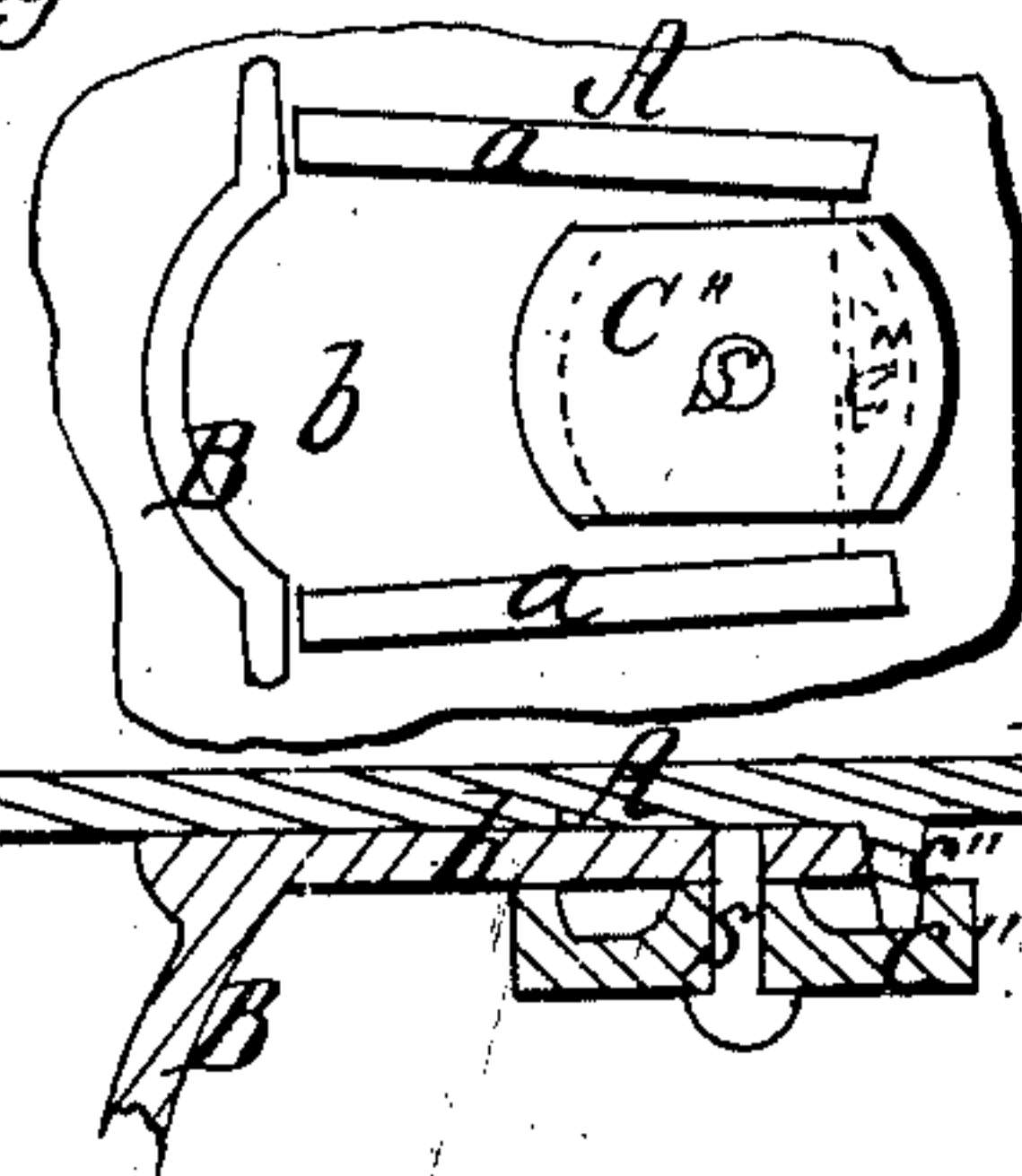
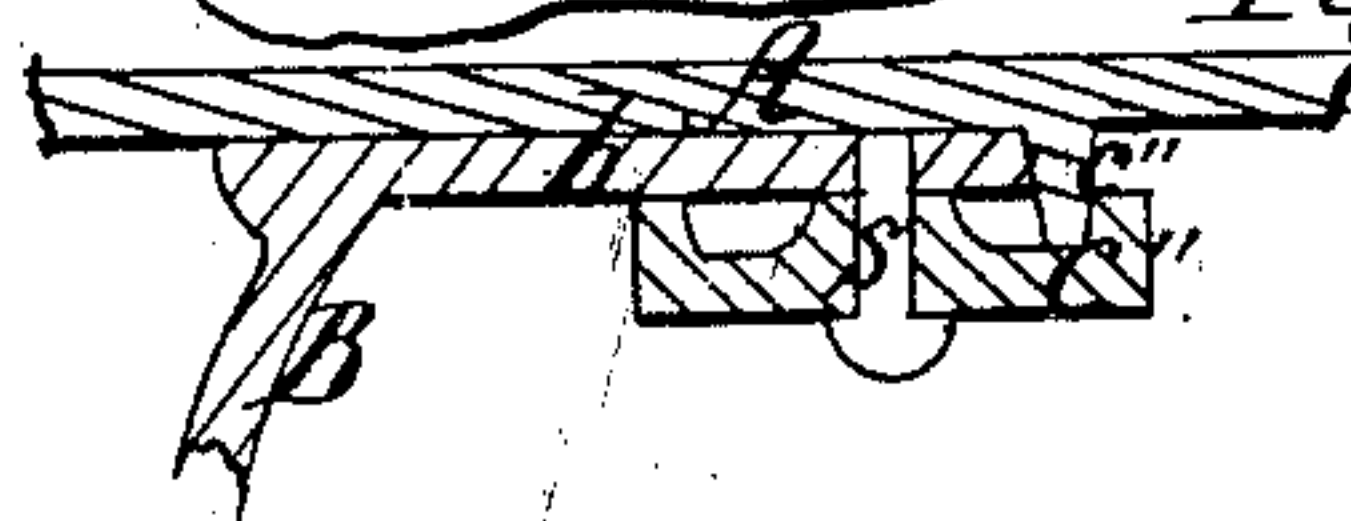


Fig. 12.



Witnesses;
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JOHN GIBSON, JR., OF ALBANY, NEW YORK.

Letters Patent No. 86,147, dated January 26, 1869.

MODE OF CONSTRUCTING THE LEGS OF STOVES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN GIBSON, Jr., of the city and county of Albany, and State of New York, have invented certain new and useful Improvements in the Mode of Constructing Legs of Stoves, whereby the said legs may be securely attached to their places, and whereby the stoves may be levelled, regardless of the inequalities of the floor on which they may stand; and I do hereby declare that the following is a clear and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of section of base of stove or heater, with leg, showing the improvements.

Figures 2, 3, 9, 11, are vertical views from beneath, showing several modifications of invention for fastening the leg.

Figures 8, 10, 12, are cross-sections of same.

Figures 5, 6, 7, are cross-sections, showing improvement for adjusting the height of the leg.

The nature of my invention consists in constructing the legs of a stove or heater in such a manner as to present some one or more points for the impinging of a cam, button, or hook, fastened to the under side of the base of a stove or heater, to hold the said legs in their places between their guiding-lips.

These points of impingement may be placed either in front of the leg, close to its top, or on a side of the attaching angle-piece, or in any other place or position, as may be best adapted to the style and make of the stove or heater on which the improvement may be used. Or the said impinging-points may be made at convenient proper places on the under side of the base of said stove or heater, and the said cam, button, or hook, may be attached to the leg; and, in either case, when the leg is placed in between the holding-lips on the base of the stove or heater, and the said cams, buttons, or hooks, are locked with the impinging-points or lips, the legs (which generally are apt to become easily detached from stoves without intention) are held secure, and cannot be removed without an intentional operation of some person.

To overcome the greater or less inequalities of floors, hearths, or any surface on which a stove may be placed, I use an adjusting-screw bolt, provided with a proper supporting-end, which works into the foot or bearing-end of the stove-leg, and may be easily worked by the fingers of a person, to shorten or lengthen the leg.

Or, by reversing the order, the leg of the stove may be provided with a bolt-screw, projecting down, on which works a supplementary foot, which may be turned by the fingers to shorten or lengthen the leg, and thus the stove may be properly levelled, so as to give an unbiased swing to all its doors, and hold level any liquid semi-fluid preparations that may be placed in the stove-oven for baking.

To enable others skilled in the art to make and use

my invention, I will proceed to describe it in reference to the drawings, and their letters of reference, the same letters indicating similar parts.

A, fig. 1, represents section of base of a stove or heater, to which is attached the usual leg, B, which leg is secured to the said base by the "angle-piece," *b*, which slides between the usual clutches or lips, *a*, cast upon the base of the stove.

To secure or lock the said angle-piece *b* between the clutches, any one of the several modifications of this improvement, as shown in figs. 2, 3, 9, and 11, or their equivalents, may be used.

O, figs. 1 and 2, is an eccentric, working on a pivot, *s* placed on one side of one of the holding-clutches *a*, and works against a projection, *c*, made on the "angle-piece" *b* of the stove-leg.

When the said eccentric, O, is turned to one side, as shown in fig. 2, the "angle-piece" *b* is free to be moved out from between the clutches *a*, and when the said "angle-piece" *b* is placed and crowded between the clutches *a*, and the cam or button is thrown in position, as shown in fig. 1, and represented by dotted lines in fig. 2, and against the projection *c*, the said leg is securely locked in its place.

Or, instead of the eccentric, O, being placed at one side of one of the clutches *a*, the said eccentric may be placed partially in front of the said leg B, as shown in figs. 3 and 8, by which the eccentric, when so placed, will crowd against the front of the leg, holding it securely in its place between the clutches *a*, and, when turned in position, as shown by dotted lines, fig. 3, the said leg B is free to be removed.

Or, an equivalent button or cam, O', pivoted to the "angle-piece" *b*, figs. 3 and 8, and free to be moved to either side, over the clutches *a*, so as to impinge against the projections *c*, made on the clutches *a*, will also hold the leg B securely in place.

Or, again, a cam or hook-button, O", as shown in figs. 9 and 10, may be used, and, when pivoted to the base of the stove, and turned round and over a projection, *c*, made on the "angle-piece" *b*, the leg may thus be firmly held in place.

Or, if the order is reversed, as in figs. 11 and 12, of the hook, cam, or button O", and the projection *c*, that is to say, if the hook, cam, or button, is pivoted to the "angle-piece" *b*, and the projection *c* is made on the base of the stove A, the same result will be secured.

Or, again, a simple hook may be substituted in place of the hook-cam or button O", and attached and operated in either of the ways aforesaid, with the same result.

I do not confine myself to the exact form, as shown, of the several eccentrics, cams, hooks, or buttons, or to the projections, notches, or impinging-points, against which the eccentrics, &c., named are to operate; neither do I confine myself to any particular points or positions of projections or notches, for impinging-points, or points of attaching the said cams, buttons, &c., on

either the base of the stove, or the leg, or its "angle-piece," so long as the leg is kept in its place by its "angle-piece" *b* being crowded or drawn and held in place between the clutches *a a*, by means of a reversible operation of two impinging-points or surfaces, which lock the leg in place, and operating substantially on the principle described.

To increase or diminish the height of the leg of the stove, I furnish its foot, *d*, with a screw-threaded hole, *h*, as shown in figs. 5 and 7, into which screw-threaded hole works a screw-bolt, *g*, furnished with a proper-shaped head, which acts as a supplementary foot for the said leg, and when the said screw-bolt is screwed further into the foot *d* of the leg B, the said leg is thereby shortened, and when screwed outward, the said leg is lengthened.

Or the order may be reversed, and the screw-bolt *g* may be made with or a part of the foot *d* of the leg B, fig. 6, and the supplementary foot *k* may be furnished with a screw-threaded hole, *h'*, to receive the screw-bolt *g*, by which the height of the leg may be varied.

Having described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. In combination with a base and a leg of a stove or heater, an eccentric, C, cam O', or a nook-cam or button, O'', or their equivalents, and impinging-points or projections *c c'*, or *c''*, or their equivalents, operating substantially as and for the purpose specified.

2. The locking of legs of stoves or heaters into their places by the eccentrics, cams, buttons, or hooks O O' O'', or their equivalents, acting against or with impinging-projections or points *c c' c''*, or their equivalents, substantially as specified.

3. In combination with the leg B of a stove or heater, the supplementary foot *k*, operated by a screw-bolt, *g*, substantially as and for the purpose specified.

4. The lengthening or shortening the height of a leg, B, of a stove or heater by a supplementary foot, *k*, operating substantially as specified.

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Witnesses:

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A. L. GIBSON.